

## PATENT

WE CLAIM:

1. In a client computer in communication with a server computer over a network, a method of installing software at the client computer from the server computer over the network, the method comprising:
- 5 responsive to a request generated at the client computer for installing the software, retrieving by the client computer an executable file from the server computer, the executable file comprising the software and an installation program for installing the software;
- further responsive to the request, executing the executable file at the client
- 10 computer; and
- responsive to the execution of the executable file at the client computer, automatically starting the installation program to install the software on the client computer.
- 15 2. The method of claim 1 wherein the request at the client computer comprises an indication by a user at the client computer that the software is desired.
3. The method of claim 1 wherein the request at the client computer comprises an indication by a user at the client computer that the software is to be
- 20 downloaded.
4. The method of claim 1 wherein the installation program comprises an installation utility.
- 25 5. The method of claim 4 wherein the installation program further comprises an installation information file.
6. The method of claim 1 wherein the executable file further comprises a self-extractor.
- 30 7. The method of claim 6 further comprising:

## PATENT

further responsive to the request, invoking the self-extractor to extract the software and the installation program from the file.

8. The method of claim 7 wherein the executable file further comprises a digital signature, the method further comprising:  
further responsive to the request, verifying the digital signature before installing the software.

9. The method of claim 1 wherein the executable file further comprises a digital signature.

10. The method of claim 9 further comprising:  
further responsive to the request, verifying the digital signature before installing the software.

11. The method of claim 1 wherein the event at the client computer comprises a selection by a user at the client computer via an Internet browser of software to be downloaded and installed.

12. The method of claim 1 wherein the starting is initiated without further user input.

13. A computer-readable medium having computer-executable instructions for performing the following in a client computer in communication with a server computer over a network to install software at the client computer from the server computer over the network:

- responsive to a request generated at the client computer for installing the software, retrieving by the client computer an executable file from the server computer, the executable file comprising the software and an installation program for installing the software;  
further responsive to the request, executing the executable file at the client computer; and

## PATENT

responsive to the execution of the executable file at the client computer, automatically starting the installation program to install the software on the client computer.

5           14.     In a client computer in communication with a server computer over a network, a method of installing software at the client computer from the server computer over the network, the method comprising:

              responsive to a request generated at the client computer for installing the software, retrieving by the client computer an executable file from the server computer,  
10     the executable file comprising the software and an installation program for installing the software;

              further responsive to the request, executing the executable file at the client computer; and

              responsive to the execution of the executable file at the client computer, starting  
15     the installation program to install the software on the client computer without further user input.

              15.     In a client computer in communication with a server computer via a network, a method of installing software at the client computer, the method comprising:

20           responsive to an event detected at the client computer, retrieving to the client computer an executable file from the server computer, wherein the executable file comprises the software and an installation program for installing the software;

              further responsive to the event detected at the client computer, opening the executable file at the client computer; and

25           responsive to said opening the executable file, automatically starting the installation program to install the software on the client computer.

              16.     The method of claim 15 wherein the event at the client computer comprises an indication by a user at the client computer that the software is to be  
30     downloaded.

## PATENT

17. The method of claim 15 wherein the event at the client computer comprises a selection by a user at the client computer out of a list of software available for download.

5 18. The method of claim 15 wherein the event at the client computer comprises a selection by a user via a network browser.

19. The method of claim 15 further comprising:  
responsive to said opening the executable file, automatically extracting the  
10 installation program before executing the installation program.

20. A method for automatically installing software at a computer, the method comprising:  
responsive to a user request at the computer indicating the software is desired,  
15 retrieving an executable file to the computer, wherein the executable file comprises the desired software and an installation utility for installing the software; and  
after retrieving the executable file to the computer, automatically starting the installation utility to install the desired software.

20 21. The method of claim 20 wherein the executable file further comprises an extraction utility operable to extract the desired software from the executable file, the method further comprising:  
after retrieving the executable file to the computer, automatically invoking the extraction utility to extract the desired software from the executable file.

25 22. The method of claim 20 wherein the executable file further comprises an extraction utility operable to extract the installation utility from the executable file, the method further comprising:

after retrieving the executable file to the computer, automatically invoking the  
30 extraction utility to extract the installation utility from the executable file.

## PATENT

23. In a receiving computer in communication with a sending computer over a network, a method of installing software at the receiving computer from the sending computer over the network, the method comprising:

responsive to a request generated at the receiving computer for installing the software, retrieving by the receiving computer an executable file from the sending computer, the executable file comprising the software, an extractor, and an installer for installing the software;

further responsive to the request, automatically invoking the extractor to extract the installer and the software from the executable file at the receiving computer; and

further responsive to the request, automatically starting the extracted installer to install the extracted software on the receiving computer.

24. The method of claim 23 wherein the installer comprises an installation program.

25. The method of claim 23 wherein the extractor comprises an extracting program.

26. The method of claim 23 wherein the starting is performed without further user input.

27. In a computer, a method for installing software on the computer, the method comprising:

responsive to a request generated at the computer, retrieving to the computer a signed self-extracting distribution file, wherein the signed self-extracting distribution file comprises the software, a digital signature, an extractor, and an installer;

further responsive to the request generated at the computer, automatically verifying the digital signature;

further responsive to the request generated at the computer, automatically executing the extractor to extract the installer and the software from the self-extracting distribution file; and

## PATENT

further responsive to the request generated at the computer, automatically invoking the extracted installer to install the extracted software on the computer.

28. A method of providing a file for installing desired software at a remote  
5 computer, the method comprising:  
placing the desired software in the file;  
placing instructions for installing the software in the file;  
placing instructions for automatically invoking the instructions for installing the  
software in the file; and  
10 placing the file in a location accessible to the remote computer via a computer  
network;  
whereby, when the file is retrieved and opened by the remote computer, the  
instructions for installing the software are automatically invoked to install the desired  
software.

- 15 29. The method of claim 28 further comprising:  
over the computer network, providing to the remote computer a reference to the  
location accessible to the remote computer via the computer network.

- 20 30. A computer-readable storage medium having a computer-executable  
distribution file for distributing software to a computer and installing the software on  
the computer upon execution of the distribution file, the distribution file comprising:  
software installable at the computer;  
an installation program co-resident in the distribution file with the software, the  
25 installation program operable to install the software; and  
executable installation program starting instructions arranged within the  
distribution file to be automatically executed responsive to execution of the distribution  
file, the installation program starting instructions operable to start the installation  
program to install the software.

- 30 31. The computer-readable storage medium of claim 30 wherein the

computer-executable distribution file is an executable program.

32. A computer-readable software program carrier medium having carried thereon a computer-executable distribution file for distributing software to a computer and installing the software on the computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and

executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation program starting instructions operable to start the installation program to install the software.

33. A computer-readable storage medium having a computer-executable distribution file for distributing and installing software on a computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and

executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation program starting instructions operable to start the installation program to install the software.

34. A computer-readable storage medium having a distribution file for distributing and installing software on a computer, the distribution file comprising:

software installable at the computer;

an installer co-resident in the distribution file with the software, the installer operable to install the software;

an extractor co-resident in the distribution file with the software, the extractor operable

## PATENT

to extract the software and the installer from the distribution file and automatically invoked upon receipt of the distribution file; and

- installer starting instructions arranged within the distribution file to be automatically executed upon completion of extraction of the software and the installer,
- 5 the installer starting instructions operable to start the installer to install the software.

35. A computer-readable storage medium having a computer-executable distribution file for distributing and installing software on a computer upon execution of the distribution file, the distribution file comprising:
- 10 software installable at the computer;
- a set of installation instructions co-resident in the distribution file with the software, the installation instructions operable to direct installation of the software; and
- executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution
- 15 file, the installation program starting instructions operable to start the installation instructions to direct installation of the software.

36. In a client computer in communication with a remote computer over a network, a software system for installing software on the client computer, the system
- 20 comprising:
- means for accepting an indication from a user that selected software is to be installed on the client computer;
- responsive to the means for accepting, means for downloading a software distribution file to the client computer, wherein the software distribution file comprises
- 25 the selected software and an installation program for installing the selected software, wherein the software distribution file further comprises means for initiating the installation program upon activation of the software distribution file; and
- means for activating the distribution file to install the selected software.

- 30 37. In a server computer in communication with a remote computer over a network, a software system for installing software on the remote computer, the system



comprising:

means for accepting an indication from a user at the remote computer that selected software is to be installed on the remote computer;

- responsive to the means for accepting, means for uploading a software  
5 distribution file to the remote computer, wherein the software distribution file comprises the selected software and an installation program for installing the selected software, wherein the software distribution file further comprises means for initiating the installation program upon activation of the software distribution file; and  
means to indicate the distribution file is to be activated to install the selected  
10 software.

38. A computer-readable storage medium having a computer-executable distribution file for distributing and installing software on a computer upon execution of the distribution file, the distribution file comprising:  
15 software installable at the computer;  
installation means co-resident in the distribution file with the software, the installation means operable to install the software; and  
executable installation starting means arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation  
20 starting means operable to start the installation means to install the software.